

R546 Jumper Setting

R-546/R-546S CPU Jumper Setting Quick Reference

CPU type		CPU Power Voltage			System Clock			CPU Speed	
		I/O	Core	JP10	JP14	MHz	JP13	Ratio	JP12
Intel	P54C-90	3.4v		5 1 6 2	1 2 3 4 5 6 7 8	60		3/2	
	P54C-120			2/1					
	P54C-150	3.5v		5 1 6 2	1 2 3 4 5 6 7 8			5/2	
	P54C-180			3/1					
	P54C-100	3.4v		5 1 6 2	1 2 3 4 5 6 7 8	66		3/2	
	P54C-133			2/1					
	P54C-166	3.5v		5 1 6 2	1 2 3 4 5 6 7 8			5/2	
	P54C-200			3/1					
	P55C(MMX) -166	3.4v	2.8v	5 1 6 2	1 2 3 4 5 6 7 8	66		5/2	
	P55C(MMX) -200							3/1	
	P55C(MMX) -233							7/2	
	Cyrrix & IBM	6x86 -PR150	3.5v		5 1 6 2	1 2 3 4 5 6 7 8	60		2/1
6x86 -PR166		66							
6x86 -PR200		75							
6x86L -PR166		3.4v	2.8v	5 1 6 2	1 2 3 4 5 6 7 8	66		2/1	
6x86L -PR200						75			
Cyrrix & IBM 6x86 MX (M2)	PR166	3.4v	2.9v	5 1 6 2	1 2 3 4 5 6 7 8	60		5/2	
	PR200					66		5/2	
	PR233	3.4v	2.9v	5 1 6 2	1 2 3 4 5 6 7 8	66		3/1	
	PR233					75		5/2	

	PR233						83		
	PR266						83		
	PR300						66		
	PR300						75		
AMD 5k86	P90	3.4v			60		3/2		
	P100				66		5/2		
	P166								
AMD K6	166	3.4v	2.9v			66		5/2	
	200							3/1	
	233	7/2							
	266	3.4v	3.2v					4/1	
AMD K6-2	266	3.4v	2.2v			66		4/1	
	300							9/2	

CPU Speed Configuration : “O”=Open, “S”=Short.

Freq ratio	JP12	System freq(MHz)	JP13
1.5	O	60	1-2,3-4 S
2	1-2 S	66	3-4 S
2.5	1-2,3-4 S	75**	1-2 S
3	3-4 S	83**	O
3.5	O		

* CPU Speed = (Frequency ratio) x (System Frequency).

** PCI has a maximum bandwidth of 33MB --- one half of the 66MHz System

Frequency. The 75MHz & 83MHz System Frequency are not supported by the Intel TX Chipset & current PCI Rev.2.1 Specification.

CPU Voltage Configuration :

a. For Single Power CPU. (Intel 54C, Cyrix 6x86, IBM 6x86, AMD 5k86)

CPU Power Voltage		JP10	JP14
I/O	Core		
3.4V		Short	Pin 1-2 & 3-4 & 5-6 & 7-8 short
3.5V		Short	Pin 3-4 & 5-6 & 7-8 short

b. For Dual Power CPU. (Intel 55C-MMX, Cyrix 6x86L/6x86MX(M2))

IBM 6x86L/6x86MX(M2), AMD K6)

CPU Power Voltage		JP10	JP14
I/O	Core		
3.4V	3.2V	Open	Pin 5-6 & 7-8 short
3.4V	2.9V	Open	Pin 1-2 & 7-8 short
3.4V	2.8V	Open	Pin 7-8 short
3.4V	2.7V	Open	Pin 1-2 & 3-4 & 5-6 short
3.4V	2.5V	Open	Pin 1-2 & 5-6 short
3.4V	2.1V	Open	Pin 1-2 short

5V EDO and FPM SIMM Module

SIMM 1	SIMM 2	SIMM 3	SIMM 4
4MB or 8MB 16MB or 32MB 64MB or 128MB	-	-	-
-	4MB or 8MB 16MB or 32MB 64MB or 128MB	-	-
-	-	4MB or 8MB 16MB or 32MB 64MB or 128MB	-
-	-	-	4MB or 8MB 16MB or 32MB 64MB or 128MB
4MB or 8MB 16MB or 32MB 64MB or 128MB	4MB or 8MB 16MB or 32MB 64MB or 128MB	-	-
4MB or 8MB	-	4MB or 8MB	-

16MB or 32MB		16MB or 32MB	
64MB or 128MB		64MB or 128MB	
4MB or 8MB	-	-	4MB or 8MB
16MB or 32MB			16MB or 32MB
64MB or 128MB			64MB or 128MB
-	4MB or 8MB	4MB or 8MB	
	16MB or 32MB	16MB or 32MB	-
	64MB or 128MB	64MB or 128MB	
-	4MB or 8MB		4MB or 8MB
	16MB or 32MB	-	16MB or 32MB
	64MB or 128MB		64MB or 128MB
-	-	4MB or 8MB	4MB or 8MB
		16MB or 32MB	16MB or 32MB
		64MB or 128MB	64MB or 128MB
4MB or 8MB	4MB or 8MB	4MB or 8MB	
16MB or 32MB	16MB or 32MB	16MB or 32MB	-
64MB or 128MB	64MB or 128MB	64MB or 128MB	
4MB or 8MB		4MB or 8MB	4MB or 8MB
16MB or 32MB	-	16MB or 32MB	16MB or 32MB
64MB or 128MB		64MB or 128MB	64MB or 128MB
4MB or 8MB	4MB or 8MB		4MB or 8MB
16MB or 32MB	16MB or 32MB	-	16MB or 32MB
64MB or 128MB	64MB or 128MB		64MB or 128MB
-	4MB or 8MB	4MB or 8MB	4MB or 8MB
	16MB or 32MB	16MB or 32MB	16MB or 32MB
	64MB or 128MB	64MB or 128MB	64MB or 128MB
4MB or 8MB	4MB or 8MB	4MB or 8MB	4MB or 8MB
16MB or 32MB	16MB or 32MB	16MB or 32MB	16MB or 32MB
64MB or 128MB	64MB or 128MB	64MB or 128MB	64MB or 128MB

** The same bank have to use the same RAM memory.

CMOS Clear Jumper : JP2.

Function	IP?
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FUNCTION	SIZ
Normal Operation (default)	1-2 Close
Clear CMOS data	2-3 Close